VPA 14-11/12/13 U
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

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L3 4424 S L1 FUL

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NUMBER OF NODES IS 14

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100.0% PROCESSED 353 ITERATIONS 140 ANSWERS

SEARCH TIME: 00.00.01

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FULL SUBSET SCREEN SEARCH COMPLETED -

=> fil caplus

SINCE FILE COST IN U.S. DOLLARS TOTAL ENTRY SESSION FULL ESTIMATED COST 46.97 241.19

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FILE COVERS 1907 - 6 Jul 2010 VOL 153 ISS 2 FILE LAST UPDATED: 5 Jul 2010 (20100705/ED) REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 15 20 L5 L6

=> d bib 1-20

ANSWER 1 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN 1.6

2008:1011208 CAPLUS ΑN

DN 149:288792

ΤI Piperidine-benzoxazine derivatives as inhibitors of  $\beta$ -secretase, cathepsin D, plasmepsin II and/or HIV protease and their preparation, pharmaceutical compositions and use in the treatment of diseases

Herold, Peter; Mah, Robert; Tschinke, Vincenzo; Stojanovic, Aleksandar; TM

```
PΑ
    Speedel Experimenta A.-G., Switz.
SO
    Eur. Pat. Appl., 107pp.
    CODEN: EPXXDW
DT
    Patent
LA
    English
FAN.CNT 1
    PATENT NO.
                      KIND DATE
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    EP 1958634
                  A2 20080820
A3 20080924
                                       EP 2008-101434
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PRAI EP 2007-102359 A 20070214
OS MARPAT 149:288792
    ANSWER 2 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
L6
    2008:436471 CAPLUS
AN
    148:449461
DΝ
ΤI
    Arylpiperidine derivatives as renin inhibitors
    Speedel Experimenta AG, Switz.
SO
    Eur. Pat. Appl., 72pp.
    CODEN: EPXXDW
DT
    Patent
    Enalish
LA
FAN.CNT 1
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    PATENT NO.
                     KIND DATE
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                       A1 20080409 EP 2006-121769
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PRAI EP 2006-121769
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OS MARPAT 148:449461
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
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L6
    ANSWER 3 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
    2008:232105 CAPLUS
ΑN
DN
    148:449424
ΤI
    Synthesis and evaluation of PSSRI-based inhibitors of Staphylococcus
    aureus multidrug efflux pumps
    German, Nadezhda; Kaatz, Glenn W.; Kerns, Robert J.
ΑU
    Division of Medicinal and Natural Products Chemistry, College of Pharmacy,
CS
    University of Iowa, Iowa City, IA, 52242, USA
SO
    Bioorganic & Medicinal Chemistry Letters (2008), 18(4), 1368-1373
    CODEN: BMCLE8; ISSN: 0960-894X
    Elsevier Ltd.
PΒ
    Journal
DТ
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LA
OS
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Behnke, Dirk; Marti, Christiane; Stutz, Stefan; Jelakovic, Stjepan

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ANSWER 4 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
L6
ΑN
     2007:194790 CAPLUS
DN
     146:421815
     Synthesis of substituted 4-arylpiperidin-2-ones by a 6-exo-trig radical
ΤI
     cyclization
ΑU
     Vila, Xavier; Zard, Samir Z.
CS
     Laboratoire de Synthese Organique, Departement de Chimie, Ecole
     Polytechnique, Palaiseau, 91128, Fr.
SO
     Heterocycles (2006), 70, 45-50
     CODEN: HTCYAM; ISSN: 0385-5414
     Japan Institute of Heterocyclic Chemistry
PΒ
DT
     Journal
LA
     English
OS
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L6
     2006:1031226 CAPLUS
ΑN
DN
     145:397527
ΤI
     Preparation of substituted piperidines as renin inhibitors
     Herold, Peter; Mah, Robert; Tschinke, Vincenzo; Marti, Christiane; Stutz, Stefan; Jelakovic, Stjepan; Hollinger, Frank; Konteatis, Zenon D.;
ΙN
     Ludington, Jennifer L.; Quirmbach, Michael; Stojanovic, Aleksandar;
     Behnke, Dirk
PA
     Speedel Experimenta AG, Switz.
SO
     PCT Int. Appl., 132 pp.
     CODEN: PIXXD2
DT
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CN 101230060

JP 2008534558

BR 2006008758

IN 2007DN08275

Α

Τ

20080730

20080828

A2 20090707 A 20080704 CN 2008-10009976

JP 2008-503525

BR 2006-8758

IN 2007-DN8275

20060330

20060330

20060330

20071026

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20080509 IN 2008-DN1289
20080717 US 2008-76221
    IN 2008DN01289
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                       A
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    US 20080171748
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                        A1 20100204
                                          US 2009-887227
                                                                  20090902
                       P 20050331
P 20051216
PRAI US 2005-666556P
    US 2005-750853P
                       P
    CN 2006-80010601 A3 20060330 EP 2006-725445 A3 20060330
    JP 2008-503525
                        A3 20060330
    WO 2006-EP61197
                        W
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    IN 2007-DN8275
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
    CASREACT 145:397527; MARPAT 145:397527
             THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
OSC.G 6
    ANSWER 6 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
L6
AN
    2006:453872 CAPLUS
    145:124417
DN
ΤI
    Development of new brain imaging agents based upon nocaine-modafinil
    hybrid monoamine transporter inhibitors
ΑU
    Musachio, John L.; Hong, Jinsoo; Ichise, Masanori; Seneca, Nicholas;
    Brown, Amira K.; Liow, Jeih-San; Halldin, Christer; Innis, Robert B.;
    Pike, Victor W.; He, Rong; Zhou, Jia; Kozikowski, Alan P.
CS
    Molecular Imaging Branch, National Institute of Mental Health, National
    Institutes of Health, Bethesda, MD, 20892-1003, USA
    Bioorganic & Medicinal Chemistry Letters (2006), 16(12), 3101-3104
SO
    CODEN: BMCLE8; ISSN: 0960-894X
PΒ
    Elsevier B.V.
DT
    Journal
LA
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OS
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RE.CNT 24
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    ANSWER 7 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
L6
ΑN
    2006:312028 CAPLUS
DN
    145:306439
ΤI
    Role of the increased noradrenergic neurotransmission in drug
    self-administration
ΑU
    Wee, Sunmee; Wang, Zhixia; He, Rong; Zhou, Jia; Kozikowski, Alan P.;
    Woolverton, William L.
CS
    Department of Psychiatry and Human Behavior, University of Mississippi
    Medical Center, Jackson, MS, 39216-4505, USA
    Drug and Alcohol Dependence (2006), 82(2), 151-157
SO
    CODEN: DADEDV; ISSN: 0376-8716
    Elsevier B.V.
PΒ
    Journal
DT
LA
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- L6 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
- AN 2005:1216624 CAPLUS
- DN 144:108177
- TI Further Structure-Activity Relationship Studies of Piperidine-Based Monoamine Transporter Inhibitors: Effects of Piperidine Ring Stereochemistry on Potency. Identification of Norepinephrine Transporter Selective Ligands and Broad-Spectrum Transporter Inhibitors

```
AU He, Rong; Kurome, Toru; Giberson, Kelly M.; Johnson, Kenneth M.; Kozikowski, Alan P.
```

- CS Drug Discovery Program, Department of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois at Chicago, Chicago, IL, 60612-7230, USA
- SO Journal of Medicinal Chemistry (2005), 48(25), 7970-7979 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 144:108177
- OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
- RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L6 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
- AN 2005:1004733 CAPLUS
- DN 143:306161
- TI Preparation of cycloalkanopyridine derivatives as antagonists of nociceptin receptor
- IN Takahashi, Hirobumi; Sugimoto, Yuichi; Yoshizumi, Takashi; Kato, Tetsuya; Asai, Masanori; Miyazoe, Hiroshi
- PA Banyu Pharmaceutical Co., Ltd., Japan
- SO PCT Int. Appl., 205 pp. CODEN: PIXXD2
- DT Patent
- LA Japanese

FAN.CNT 1

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    WO 2005085228
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    WO 2005-JP4264
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OS MARPAT 143:306161

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS) RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2005:405376 CAPLUS

DN 142:463608

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serotonin transporter inhibitors
ΙN
     Kozikowski, Alan P.; Zhou, Jia
PA
     Georgetown University, USA
     PCT Int. Appl., 104 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
FAN.CNT 1
                         KIND DATE
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      WO 2005041875
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     JP 2007509168
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W 20041022
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L6
ΑN
     2004:861023 CAPLUS
DN
     142:38116
ΤI
     Piperidine-Based Nocaine/Modafinil Hybrid Ligands as Highly Potent
     Monoamine Transporter Inhibitors: Efficient Drug Discovery by Rational
     Lead Hybridization
     Zhou, Jia; He, Rong; Johnson, Kenneth M.; Ye, Yanping; Kozikowski, Alan P.
ΑU
     Acenta Discovery Inc., Tucson, AZ, 85747-9101, USA
CS
     Journal of Medicinal Chemistry (2004), 47(24), 5821-5824
SO
     CODEN: JMCMAR; ISSN: 0022-2623
PΒ
     American Chemical Society
DT
     Journal
LA
     English
OS
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RE.CNT 25
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     ANSWER 12 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
ΑN
     2002:754196 CAPLUS
     137:257677
DN
ΤI
     Methods of treating or preventing Alzheimer's disease using
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Preparation of piperidine-derived selective dopamine, norepinephrine and

ТΤ

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4-aryl-3-aralkoxypiperidines and -azabicyclooctanes
    Nieman, James A.; Fang, Lawrence; Jagodzinska, Barbara
ΤN
    Elan Pharmaceuticals, Inc., USA; Pharmacia & Upjohn Company
PΑ
SO
    PCT Int. Appl., 449 pp.
    CODEN: PIXXD2
DT
    Patent
LA
    English
FAN.CNT 1
    PATENT NO.
                      KIND DATE
                                     APPLICATION NO. DATE
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    WO 2002076440
                       A2 20021003 WO 2002-US9100
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L6
    2002:149686 CAPLUS
ΑN
DN
    137:154827
TI
    Stereocontrolled synthesis of a prototype library of enantiopure
    2,4-disubstituted 4-aryl-6-piperidinones and piperidines
ΑU
    Hanessian, Stephen; van Otterlo, Willem A. L.; Nilsson, Ingemar; Bauer,
CS
    Department of Chemistry, Universite de Montreal, Succ. Centre-Ville,
    Montreal, QC, H3C 3J7, Can.
    Tetrahedron Letters (2002), 43(11), 1995-1998
SO
    CODEN: TELEAY; ISSN: 0040-4039
PΒ
    Elsevier Science Ltd.
DT
    Journal
    English
LA
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OS
OSC.G 18
             THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)
RE.CNT 34
             THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
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    134:100766
    Preparation of 4-(4-fluorophenyl)-3-aryloxymethylpiperidines using the
ΤI
    Mitsunobu reaction.
    Jones, David Alan
ΙN
PA
    SmithKline Beecham PLC, UK
SO
    PCT Int. Appl., 20 pp.
    CODEN: PIXXD2
DT
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LA
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FAN.CNT 1
     PATENT NO.
                        KIND DATE
                                       APPLICATION NO. DATE
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    WO 2001004093 A2 20010118
WO 2001004093 A3 20010712
                                          WO 2000-GB2698
                                                                    20000713
PI
            AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI GB 1999-16392 A 19990713
OS CASREACT 134:100766; MARPAT 134:100766
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OSC.G 1
RE.CNT 2
              THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
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     ANSWER 15 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
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     131:124935
ΤI
     Piperidine-renin inhibitors compounds with improved physicochemical
     properties
     Guller, Rolf; Binggeli, Alfred; Breu, Volker; Bur, Daniel; Fischli,
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     Walter; Hirth, Georges; Jenny, Christian; Kansy, Manfred; Montavon,
     Francois; Muller, Marcel; Oefner, Christian; Stadler, Heinz; Vieira, Eric;
     Wilhelm, Maurice; Wostl, Wolfgang; Marki, Hans Peter
     Chemspeed Ltd., Augst, CH-4302, Switz.
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     Bioorganic & Medicinal Chemistry Letters (1999), 9(10), 1403-1408
SO
     CODEN: BMCLE8; ISSN: 0960-894X
    Elsevier Science Ltd.
PΒ
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     Journal
     English
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OSC.G 56
              THERE ARE 56 CAPLUS RECORDS THAT CITE THIS RECORD (56 CITINGS)
RE.CNT 18
              THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 16 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
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ΑN
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ΤI
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     antimalarials
     Bur, Daniel; Fischli, Walter; Matile, Hugues; Ridley, Robert George;
IN
     Wostl, Wolfgang
     F.Hoffmann-La Roche A.-G., Switz.
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     PCT Int. Appl., 48 pp.
SO
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DT
     Patent
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FAN.CNT 1
     PATENT NO.
                        KIND
                                DATE
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      A2
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PΙ
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, US, UZ, VN, YU, ZW
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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9897409

PRAI EP 1997-115510

A 19970908

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

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PRAI EP 1997-115510

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OSC G 10 THERE ARE 10 CAPLUS RECORDS TH

OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
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AN 1997:307688 CAPLUS

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OREF 126:53775a,53778a

- TI New 4-aryl-3-aralkoxypiperidines and -azabicylooctanes for treating heart and kidney insufficiency
- IN Binggeli, Alfred; Breu, Volker; Bur, Daniel; Fischli, Walter; Gueller, Rolf; Hirth, Georges; Maerki, Hans-Peter; Mueller, Marcel; Oefner, Christian; Stadler, Heinz; Vieira, Eric; Wilhelm, Maurice; Wostl, Wolfgang PA F. Hoffmann-La Roche Ag, Switz.
- SO PCT Int. Appl., 492 pp.

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PRAI CH 1995-2548 A 19950907
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OSC.G 46 THERE ARE 46 CAPLUS RECORDS THAT CITE THIS RECORD (53 CITINGS)
                 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 2
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      ANSWER 18 OF 20 CAPLUS COPYRIGHT 2010 ACS on STN
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AN 1991:6299 CAPLUS
DN 114:6299
OREF 114:1239a,1242a
    Preparation of 4-phenyl-2,6-dioxopiperidine-3-carboxylates as
       intermediates for 3-(aryloxymethyl)piperidine antidepressants and
       anticalcium agents
      Lundbeck, Jane Marie; Treppendahl, Svend; Jakobsen, Palle
ΙN
      Aktieselskabet Ferrosan, Den.
PA
SO
      Eur. Pat. Appl., 8 pp.
      CODEN: EPXXDW
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      Patent
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      English
      PATENT NO. KIND DATE APPLICATION NO.

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FAN.CNT 1
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PΙ
                                                                                         19891211
        R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
R: A1, BE, CH, DE, ES, FR, GB, GR, 11, L1, L0, NL, SE

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A1 19900628

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ZA 8909778

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NO 8905195

A 19900625

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A 19900907

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PRAI DK 1988-7160

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OS MARPAT 114:6299
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
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AN 1988:510265 CAPLUS
DN 109:110265
OREF 109:18367a,18370a
TI Piperidine compounds and their preparation and use as drugs
IN Drejer, Jorgen; Jakobsen, Palle
PA Aktieselskabet Ferrosan, Den.
    Eur. Pat. Appl., 13 pp.
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      CODEN: EPXXDW
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FAN.CNT 2
      PATENT NO. KIND DATE APPLICATION NO. DATE
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      EP 266574
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           R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

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OSC.G 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)

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OREF 91:6401a,6404a

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- AU Kurihara, Tozaburo; Takeda, Hideshige; Takeda, Hideo; Kikuchi, Masao
- CS Tohoku Coll. Pharm., Sendai, Japan
- SO Yakuqaku Zasshi (1979), 99(2), 131-4 CODEN: YKKZAJ; ISSN: 0031-6903
- DT Journal
- LA Japanese
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